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INTRODUCTION

With correct maintenance and proper use, GEHL® skid loaders will give years of dependable service. This service manual is intended to be a guide in the assembly and disassembly, installation and removal, adjustment and testing, troubleshooting and replacement of components that together make up the GEHL SL3635 and SL3935 skid loaders.

In many of the procedures found within, the installation steps are the exact opposite of the removal steps and vice versa, and therefore, the opposite procedure is not written. Instead, a note to reverse the procedure will be stated. This reduces redundancy and excessive pages in the manual. In cases though, where the assembly and disassembly or removal and installation procedures differ and additional steps or safety concerns are paramount, the entire reverse procedure will be written out to include the new information.

The Table of Contents and Index can be used to make the procedure you need to find an easier process. Also, there are black tabs extending off the pages highlighting the chapters for those who prefer to thumb through the manual. Many schematics, photographs, and line art drawings are used to help perform the necessary repairs, tests, or adjustments that the SL3635/3935 skid loader needs to keep it in good running condition.

If you have any additional questions, please contact your authorized GEHL dealer or call the GEHL Service Department for assistance.

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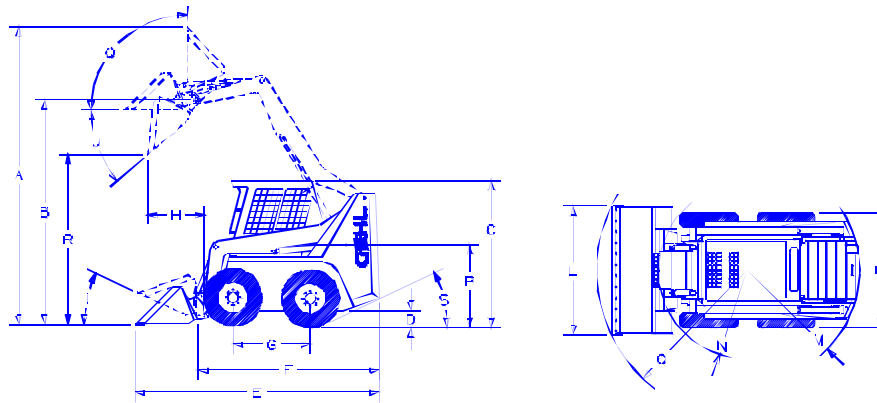
SPECIFICATIONS

	4635 / 4635SX	4635DXT	4835SXT/DXT
Engine: Make	Deutz	Deutz (Turbo)	Deutz (Turbo)
Model	F3M1011F	BF3M1011F	BF3M1011F
Fuel	Diesel	Diesel	Diesel
Displacement	133 CID (2,18 L)	133 CID (2,18 L)	133 CID (2,18 L)
Horse power - Net	SAE 44 hp (32,4 kW) @ 2600 rpm	SAE 57 hp (42 kW) @ 2500 rpm	SAE 57 hp (42 kW) @ 2500 rpm
Torque - Maximum	106 ft-lbs (140 N•m) @ 1800 rpm	140 ft-lbs (190 N•m) @ 1600 rpm	140 ft-lbs (190 N•m) @ 1600 rpm
SAE-Rated Operating Load	1425 lbs (646 kg)	1425 lbs (646 kg)	1625 lbs (737 kg)
Operating Weight	6100 lbs (2800 kg)	6100 lbs (2800 kg)	6300 lbs (2900 kg)
Shipping Weight	5200 lbs (2350 kg)	5200 lbs (2350 kg)	5300 lbs (2500 kg)
Capacities: Fuel Tank	15 US gal (57 L)	15 US gal (57 L)	17 US gal (64 L)

Specifications Below Apply To All 4635 and 4835 models	
Capacities	
Hydraulic Reservoir	12 US gal (45 L)
Chaincases (each)	8 US quarts (7,6 L)
Engine Oil	8.5 US quarts (8 L)
Electrical	
Battery	12 volt DC with 1000 CCA
Starter	12 volt DC (2.3 kW)
Alternator	55 A
Hydraulic System	
Main Hydraulic System Pressure	2750 psi (190 bar)
High-Flow Hydraulic System Pressure	2500 psi (172 bar)
Standard Flow Rate (Single)	19 gpm (72 L/min)
High-Flow Rate (Dual - DX models)	30 gpm (114 L/min)
Travel Speed	0 to 8.4 mph (0 to 13,5 km/h)

Tire Options	
10 x 16.5 - 6 ply	Flotation tires
10 x 16.5 - 8 ply	Heavy Duty Flotation tires
31 x 1330 x 15	Heavy Duty Fat Foot Flotation Tires
12 x 16.5 - 6 ply	High Clearance Flotation tires
7.5 x 15 - 6 ply	Chevron tires
6.5 x 16	Solid Rubber tires
7.5 x 15	AirBoss Segmented Industrial tires
12 x 16.5	AirBoss Segmented Flotation tires

Buckets and Capacities			
Width - inches (millimeters)	Bucket Description	Capacity (Heaped)	
60 inches (1520 mm)	Dirt/Construction	10.0 cu bic feet	0,28 cu bic meters
65 inches (1650 mm)	Dirt/Construction	10.8 cu bic feet	0,31 cu bic meters
65 inches (1650 mm)	Dirt/Construction	14.7 cu bic feet	0,42 cu bic meters
65 inches (1650 mm)	Utility	18.4 cu bic feet	0,52 cubic meters
68 inches (1730 mm)	Dirt/Construction	15.3 cu bic feet	0,43 cubic meters
68 inches (1727 mm)	Utility	19.0 cu bic feet	0,54 cubic meters
72 inches (1830 mm)	Dirt/Construction	20.0 cu bic feet	0,57 cubic meters
72 inches (1830 mm)	Utility	27.0 cu bic feet	0,76 cubic meters



General Specifications		SL4635		SL4835	
		inches	millimeters	inches	millimeters
A	Overall operation height - fully raised	153	3886	153	3886
B	Height to hinge pin - fully raised	115	2921	115	2921
C	Overall height - top of ROPS	76	1937	76	1937
D	Ground clearance to chassis (between wheels)	7.7	197	7.7	197
	Ground clearance to chassis (beneath chaincase)	7	178	7	178
E	Overall length (w/65" dirt/construction bucket down)	121.2	3080		
	Overall length (w/68" utility bucket down)			125.3	3184
F	Overall length (no bucket)	89.5	2273	93.6	2377
G	Wheelbase	37	940	41.1	1044
H	Dump reach - w/65" dirt/construction bucket (full height)	27.6	701		
	Dump reach - w/68" dirt/construction bucket (full height)			27.6	701
	Dump reach - w/65" dirt/construction bucket (110" height)	29	737		
	Dump reach - w/68" dirt/construction bucket (110" height)			29	737
I	Roll back at ground	27°		27°	
J	Dump angle (44° @ full height)	40°		40°	
K	Overall width - no bucket (w/7 x 15 tires)	58.5	1486	58.5	1486
	Overall width - no bucket (w/10 x 16.5 tires)	62	1575	62	1575
	Overall width - no bucket (w/31.5 x 15 16.5 tires)	67.5	1715	67.5	1715
L	Overall bucket width - 65" dirt/construction bucket	67	1702		
	Overall bucket width - 68" dirt/construction bucket			69.8	1775
M	Clearance circle - rear	57	1448	59	1499
N	Clearance circle - front (no bucket)	46	1168	47	1194
O	Clearance circle - front (w/65" dirt/construction bucket)	77	1956		
	Clearance circle - front (w/68" utility bucket)			79.5	2019
P	Seat-to-ground height	34.5	876	34.5	876
Q	Roll back at full height	98°		98°	
R	Dump height (w/65" dirt/construction bucket)	87.2	2216		
	Dump height (w/68" dirt/construction bucket)			87.2	2216
S	Departure angle	28°		28°	
	Maximum reach w/65" dirt/construction bucket tipped	23.6	599		
	Maximum reach w/68" dirt/construction bucket tipped			23.6	599
	Maximum reach w/65" dirt/construction bucket flat	54.2	1378		
	Maximum reach w/68" dirt/construction bucket flat			54.2	1378
	Dump height at maximum reach (floor to cut edge - 65")	27	686		
	Dump height at maximum reach (floor to cut edge - 68")			27	686
	Height to top of riser	66.7	1695	66.7	1695
	Maximum backgrading angle	87°		87°	